

Kindly amend claims 8-11, 21, 22, and 27-29 as follows.

8. (amended) Cells differentiated from [the precursor cells of claim 1] isolated precursor cells from an olfactory epithelium of a mammal.

9. (amended) The differentiated cells of claim 8, wherein [the] said differentiated cells express neuronal markers and comprise dopaminergic neurons.

10. (amended) The differentiated cells of claim 8, selected from a group consisting of neurons, astrocytes and oligodendrocytes.

11. (amended) A pharmaceutical composition comprising cells that are isolated precursor cells from an olfactory epithelium of a mammal [The cells of claim 1], or neurons, astrocytes, or oligodendrocytes differentiated from said isolated precursor [the] cells [of claim 1], said cells in a [pharmaceutical composition for use in implant therapy, comprising a] pharmaceutically acceptable carrier, auxiliary, or excipient.

21. (amended) A kit comprising cells that are isolated precursor cells from an olfactory epithelium of a mammal [The cells of claim 1], or neurons, astrocytes, or oligodendrocytes differentiated from said isolated precursor [the] cells [of claim 1 in a kit

for the treatment of a disease, disorder or abnormal physical state comprising neurodegenerative disease or neurotrauma].

22. (amended) [The cells of claim 1] A method of using isolated precursor cells from an olfactory epithelium of a mammal, or neurons, astrocytes or oligodendrocytes differentiated from [the] said isolated precursor cells [of claim 1.], said method comprising [for a use selected from a group consisting of]:

- toxicity testing [toxicity] of a substance,
- testing the safety of a drug,
- testing the efficacy of a drug,
- developing derivative cell lines from said cells, and
- isolating genes or proteins involved in cell differentiation from said cells.

27. (amended) Cells differentiated from isolated precursor cells from a tongue of a mammal [the precursor cells of claim 24].

28. (amended) The differentiated cells of claim 27 [24], selected from a group consisting of neurons, astrocytes, and oligodendrocytes.

29. (amended) A kit comprising cells that are isolated precursor cells from a